

FIG. 1

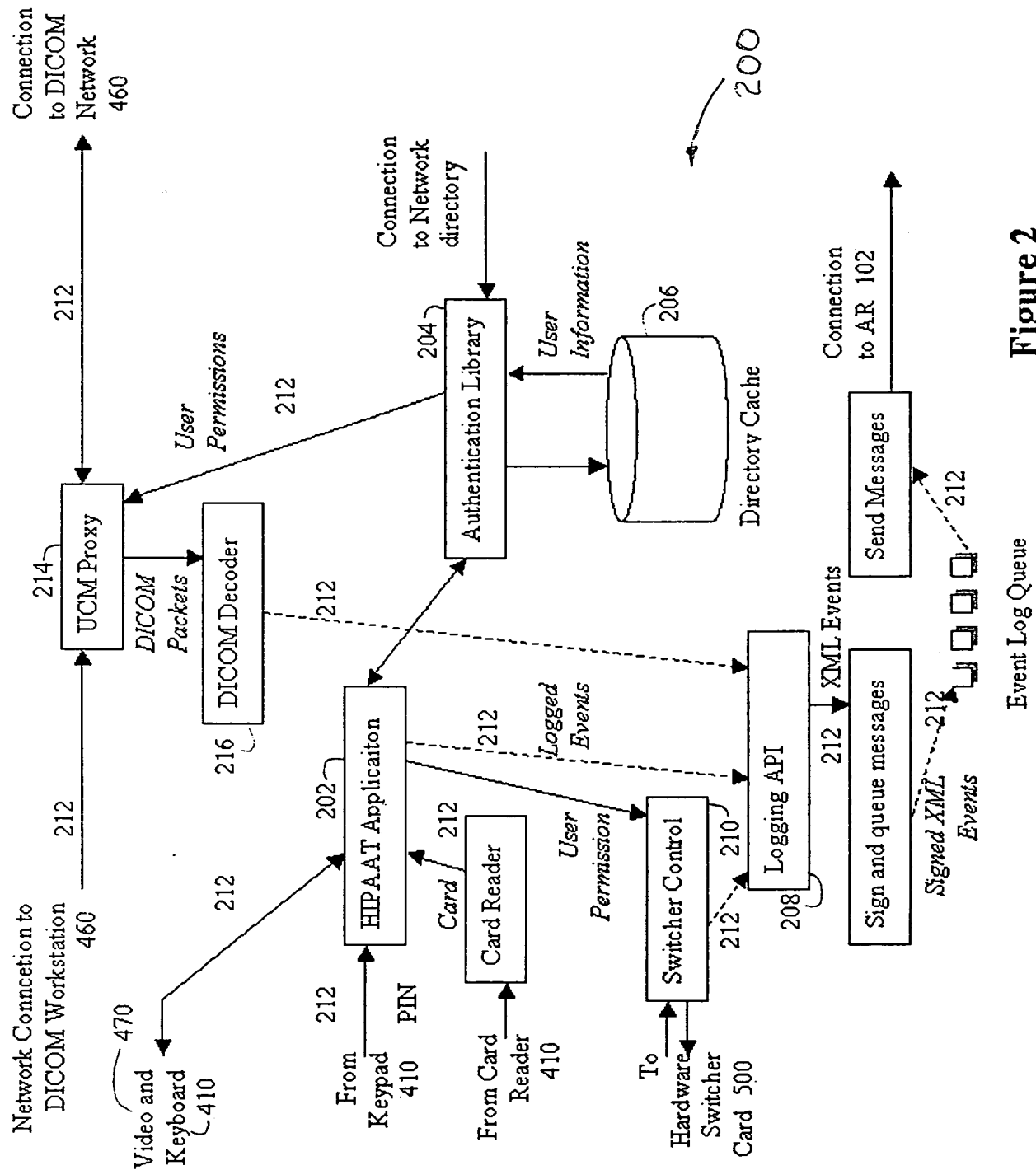


Figure 2

Event Log Queue

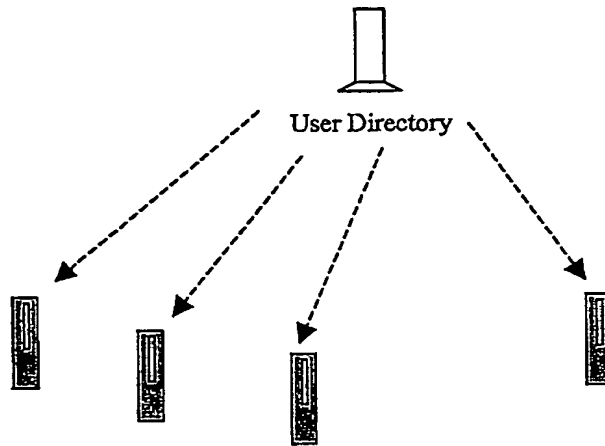


FIG. 3

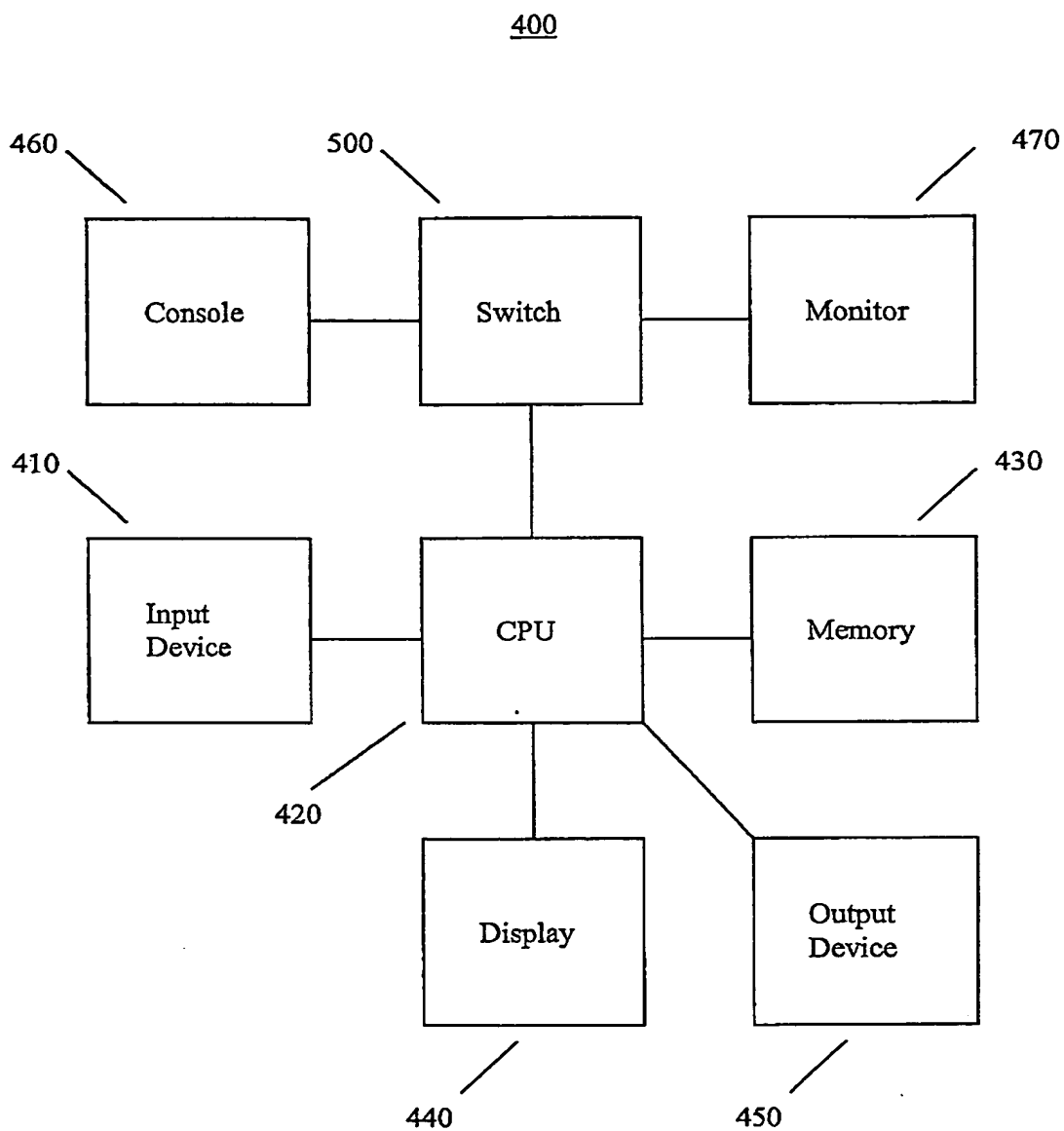
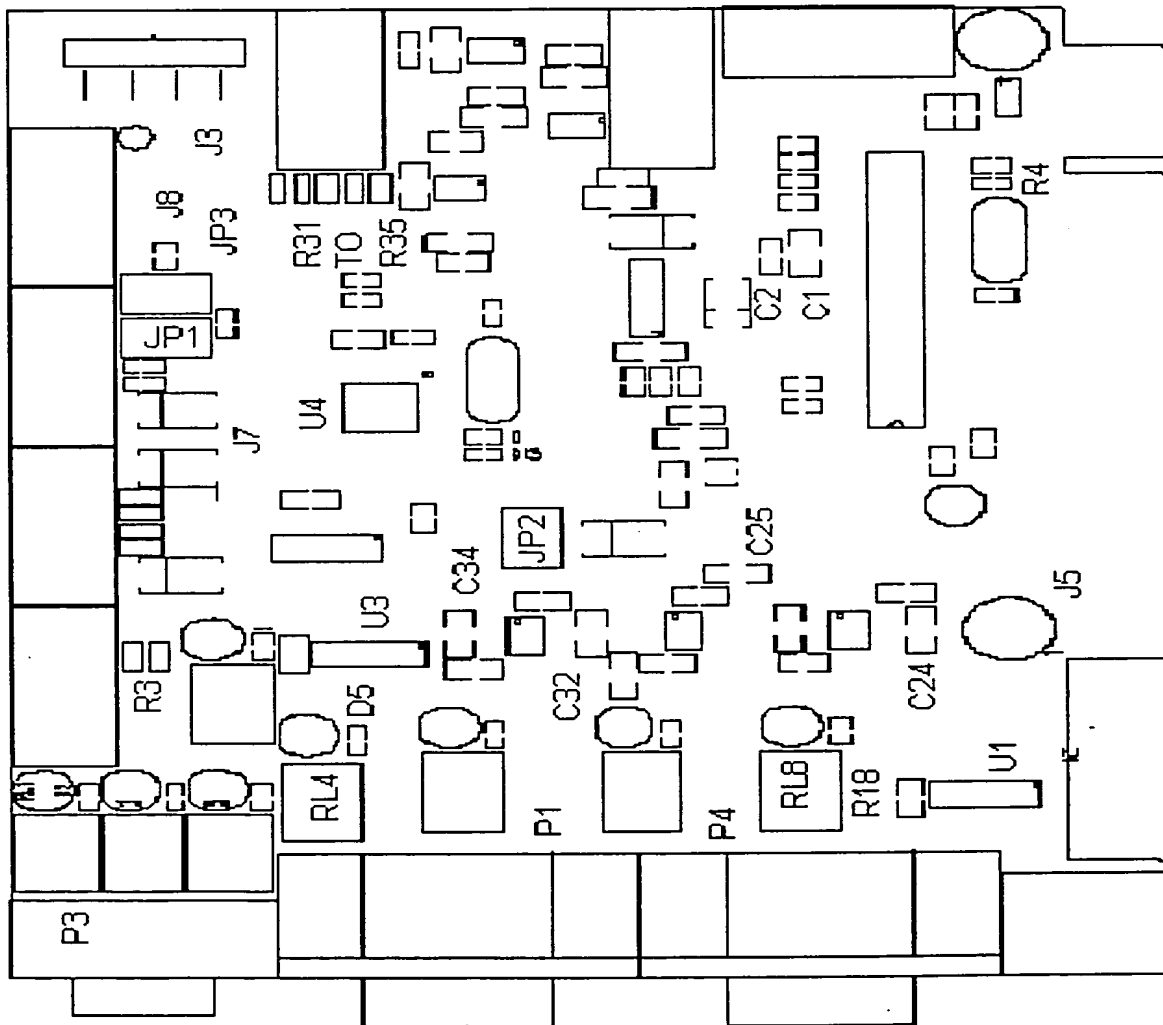


FIG. 4

FIG. 5



HIPAAT Gateway Compliance Board											
Bill Of Materials			Page1								
								sq. mm			
									Ext.		
Item	Qty	Reference	Description	Value	Package	Manufacturer	Part Number	Area	Area		
1	3	C1,C20,C22	4.7UF 16V MLC X5R 10%	4.7UF 16V	1206	Kemet	C1206C475K4PAC TU	72	216		
2	21	C2,C6,C7,C8,C10,C11,C12,	0.1UF MLC X7R 50V 10%	0.1UF	0805	AVX	08055C104KAT2A	40	840		
		C19,C21,C35,C36,C37,C38,							0		
		C39,C40,C41,C42,C43,C44,							0		
		C45,C46							0		
3	2	C9,C3	220UF 16V ELECT CAP	220UF 16V	0.1" RADIAL	Panasonic	EEU-FC1C221	70	140		
4	4	C4,C5,C15,C16	22PF NP0 50V 5%	22PF	0603	AVX	06035A220JAT2A	18	72		
5	58	C13,C14,C17,C18,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C55,C56,C57,C58,C59,C60,C61,C62,C63,C64,C65,C66,C67,C68,C69,C70,C71,C72,C73,C74,C75,C76,C77,C78,C79,C80,C81,C82,C83,C84,C85,C86,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C97,C98,C99,C100,C101,C102,C103,C104,C105,C106,C107,C108,C109,C110,C111,C112,C113,C114,C115,C116,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128,C129,C130,C131,C132,C133,C134,C135,C136,C137,C138,C139,C140,C141,C142,C143,C144,C145,C146,C147,C148,C149,C150,C151,C152,C153,C154,C155,C156,C157,C158,C159,C160,C161,C162,C163,C164,C165,C166,C167,C168,C169,C170,C171,C172,C173,C174,C175,C176,C177,C178,C179,C180,C181,C182,C183,C184,C185,C186,C187,C188,C189,C190,C191,C192,C193,C194,C195,C196,C197,C198,C199,C200,C201,C202,C203,C204,C205,C206,C207,C208,C209,C210,C211,C212,C213,C214,C215,C216,C217,C218,C219,C220,C221,C222,C223,C224,C225,C226,C227,C228,C229,C230,C231,C232,C233,C234,C235,C236,C237,C238,C239,C240,C241,C242,C243,C244,C245,C246,C247,C248,C249,C250,C251,C252,C253,C254,C255,C256,C257,C258,C259,C260,C261,C262,C263,C264,C265,C266,C267,C268,C269,C270,C271,C272,C273,C274,C275,C276,C277,C278,C279,C280,C281,C282,C283,C284,C285,C286,C287,C288,C289,C290,C291,C292,C293,C294,C295,C296,C297,C298,C299,C300,C301,C302,C303,C304,C305,C306,C307,C308,C309,C310,C311,C312,C313,C314,C315,C316,C317,C318,C319,C320,C321,C322,C323,C324,C325,C326,C327,C328,C329,C330,C331,C332,C333,C334,C335,C336,C337,C338,C339,C340,C341,C342,C343,C344,C345,C346,C347,C348,C349,C350,C351,C352,C353,C354,C355,C356,C357,C358,C359,C360,C361,C362,C363,C364,C365,C366,C367,C368,C369,C370,C371,C372,C373,C374,C375,C376,C377,C378,C379,C380,C381,C382,C383,C384,C385,C386,C387,C388,C389,C390,C391,C392,C393,C394,C395,C396,C397,C398,C399,C400,C401,C402,C403,C404,C405,C406,C407,C408,C409,C410,C411,C412,C413,C414,C415,C416,C417,C418,C419,C420,C421,C422,C423,C424,C425,C426,C427,C428,C429,C430,C431,C432,C433,C434,C435,C436,C437,C438,C439,C440,C441,C442,C443,C444,C445,C446,C447,C448,C449,C450,C451,C452,C453,C454,C455,C456,C457,C458,C459,C460,C461,C462,C463,C464,C465,C466,C467,C468,C469,C470,C471,C472,C473,C474,C475,C476,C477,C478,C479,C480,C481,C482,C483,C484,C485,C486,C487,C488,C489,C490,C491,C492,C493,C494,C495,C496,C497,C498,C499,C500,C501,C502,C503,C504,C505,C506,C507,C508,C509,C510,C511,C512,C513,C514,C515,C516,C517,C518,C519,C520,C521,C522,C523,C524,C525,C526,C527,C528,C529,C530,C531,C532,C533,C534,C535,C536,C537,C538,C539,C540,C541,C542,C543,C544,C545,C546,C547,C548,C549,C550,C551,C552,C553,C554,C555,C556,C557,C558,C559,C560,C561,C562,C563,C564,C565,C566,C567,C568,C569,C570,C571,C572,C573,C574,C575,C576,C577,C578,C579,C580,C581,C582,C583,C584,C585,C586,C587,C588,C589,C590,C591,C592,C593,C594,C595,C596,C597,C598,C599,C600,C601,C602,C603,C604,C605,C606,C607,C608,C609,C610,C611,C612,C613,C614,C615,C616,C617,C618,C619,C620,C621,C622,C623,C624,C625,C626,C627,C628,C629,C630,C631,C632,C633,C634,C635,C636,C637,C638,C639,C640,C641,C642,C643,C644,C645,C646,C647,C648,C649,C650,C651,C652,C653,C654,C655,C656,C657,C658,C659,C660,C661,C662,C663,C664,C665,C666,C667,C668,C669,C670,C671,C672,C673,C674,C675,C676,C677,C678,C679,C680,C681,C682,C683,C684,C685,C686,C687,C688,C689,C690,C691,C692,C693,C694,C695,C696,C697,C698,C699,C700,C701,C702,C703,C704,C705,C706,C707,C708,C709,C710,C711,C712,C713,C714,C715,C716,C717,C718,C719,C720,C721,C722,C723,C724,C725,C726,C727,C728,C729,C730,C731,C732,C733,C734,C735,C736,C737,C738,C739,C740,C741,C742,C743,C744,C745,C746,C747,C748,C749,C750,C751,C752,C753,C754,C755,C756,C757,C758,C759,C760,C761,C762,C763,C764,C765,C766,C767,C768,C769,C770,C771,C772,C773,C774,C775,C776,C777,C778,C779,C780,C781,C782,C783,C784,C785,C786,C787,C788,C789,C790,C791,C792,C793,C794,C795,C796,C797,C798,C799,C800,C801,C802,C803,C804,C805,C806,C807,C808,C809,C810,C811,C812,C813,C814,C815,C816,C817,C818,C819,C820,C821,C822,C823,C824,C825,C826,C827,C828,C829,C830,C831,C832,C833,C834,C835,C836,C837,C838,C839,C840,C841,C842,C843,C844,C845,C846,C847,C848,C849,C850,C851,C852,C853,C854,C855,C856,C857,C858,C859,C860,C861,C862,C863,C864,C865,C866,C867,C868,C869,C870,C871,C872,C873,C874,C875,C876,C877,C878,C879,C880,C881,C882,C883,C884,C885,C886,C887,C888,C889,C890,C891,C892,C893,C894,C895,C896,C897,C898,C899,C900,C901,C902,C903,C904,C905,C906,C907,C908,C909,C910,C911,C912,C913,C914,C915,C916,C917,C918,C919,C920,C921,C922,C923,C924,C925,C926,C927,C928,C929,C930,C931,C932,C933,C934,C935,C936,C937,C938,C939,C940,C941,C942,C943,C944,C945,C946,C947,C948,C949,C950,C951,C952,C953,C954,C955,C956,C957,C958,C959,C960,C961,C962,C963,C964,C965,C966,C967,C968,C969,C970,C971,C972,C973,C974,C975,C976,C977,C978,C979,C980,C981,C982,C983,C984,C985,C986,C987,C988,C989,C990,C991,C992,C993,C994,C995,C996,C997,C998,C999,C1000									
6	137	C23,C24,C25,C26,C27,C28,C29,C30,C31,C32,C33,C34,C35,C36,C37,C38,C39,C40,C41,C42,C43,C44,C45,C46,C47,C48,C49,C50,C51,C52,C53,C54,C55,C56,C57,C58,C59,C60,C61,C62,C63,C64,C65,C66,C67,C68,C69,C70,C71,C72,C73,C74,C75,C76,C77,C78,C79,C80,C81,C82,C83,C84,C85,C86,C87,C88,C89,C90,C91,C92,C93,C94,C95,C96,C97,C98,C99,C100,C101,C102,C103,C104,C105,C106,C107,C108,C109,C110,C111,C112,C113,C114,C115,C116,C117,C118,C119,C120,C121,C122,C123,C124,C125,C126,C127,C128,C129,C130,C131,C132,C133,C134,C135,C136,C137,C138,C139,C140,C141,C142,C143,C144,C145,C146,C147,C148,C149,C150,C151,C152,C153,C154,C155,C156,C157,C158,C159,C160,C161,C162,C163,C164,C165,C166,C167,C168,C169,C170,C171,C172,C173,C174,C175,C176,C177,C178,C179,C180,C181,C182,C183,C184,C185,C186,C187,C188,C189,C190,C191,C192,C193,C194,C195,C196,C197,C198,C199,C200,C201,C202,C203,C204,C205,C206,C207,C208,C209,C210,C211,C212,C213,C214,C215,C216,C217,C218,C219,C220,C221,C222,C223,C224,C225,C226,C227,C228,C229,C230,C231,C232,C233,C234,C235,C236,C237,C238,C239,C240,C241,C242,C243,C244,C245,C246,C247,C248,C249,C250,C251,C252,C253,C254,C255,C256,C257,C258,C259,C260,C261,C262,C263,C264,C265,C266,C267,C268,C269,C270,C271,C272,C273,C274,C275,C276,C277,C278,C279,C280,C281,C282,C283,C284,C285,C286,C287,C288,C289,C290,C291,C292,C293,C294,C295,C296,C297,C298,C299,C300,C301,C302,C303,C304,C305,C306,C307,C308,C309,C310,C311,C312,C313,C314,C315,C316,C317,C318,C319,C320,C321,C322,C323,C324,C325,C326,C327,C328,C329,C330,C331,C332,C333,C334,C335,C336,C337,C338,C339,C340,C341,C342,C343,C344,C345,C346,C347,C348,C349,C350,C351,C352,C353,C354,C355,C356,C357,C358,C359,C360,C361,C362,C363,C364,C365,C366,C367,C368,C369,C370,C371,C372,C373,C374,C375,C376,C377,C378,C379,C380,C381,C382,C383,C384,C385,C386,C387,C388,C389,C390,C391,C392,C393,C394,C395,C396,C397,C398,C399,C400,C401,C402,C403,C404,C405,C406,C407,C408,C409,C410,C411,C412,C413,C414,C415,C416,C417,C418,C419,C420,C421,C422,C423,C424,C425,C426,C427,C428,C429,C430,C431,C432,C433,C434,C435,C436,C437,C438,C439,C440,C441,C442,C443,C444,C445,C446,C447,C448,C449,C450,C451,C452,C453,C454,C455,C456,C457,C458,C459,C460,C461,C462,C463,C464,C465,C466,C467,C468,C469,C470,C471,C472,C473,C474,C475,C476,C477,C478,C479,C480,C481,C482,C483,C484,C485,C486,C487,C488,C489,C490,C491,C492,C493,C494,C495,C496,C497,C498,C499,C500,C501,C502,C503,C504,C505,C506,C507,C508,C509,C510,C511,C512,C513,C514,C515,C516,C517,C518,C519,C520,C521,C522,C523,C524,C525,C526,C527,C528,C529,C530,C531,C532,C533,C534,C535,C536,C537,C538,C539,C540,C541,C542,C543,C544,C545,C546,C547,C548,C549,C550,C551,C552,C553,C554,C555,C556,C557,C558,C559,C560,C561,C562,C563,C564,C565,C566,C567,C568,C569,C570,C571,C572,C573,C574,C575,C576,C577,C578,C579,C580,C581,C582,C583,C584,C585,C586,C587,C588,C589,C590,C591,C592,C593,C594,C595,C596,C597,C598,C599,C600,C601,C602,C603,C604,C605,C606,C607,C608,C609,C610,C611,C612,C613,C614,C615,C616,C617,C618,C619,C620,C621,C622,C623,C624,C625,C626,C627,C628,C629,C630,C631,C632,C633,C634,C635,C636,C637,C638,C639,C640,C641,C642,C643,C644,C645,C646,C647,C648,C649,C650,C651,C652,C653,C654,C655,C656,C657,C658,C659,C660,C661,C662,C663,C664,C665,C666,C667,C668,C669,C670,C671,C672,C673,C674,C675,C676,C677,C678,C679,C680,C681,C682,C683,C684,C685,C686,C687,C688,C689,C690,C691,C692,C693,C694,C695,C696,C697,C698,C699,C700,C701,C702,C703,C704,C705,C706,C707,C708,C709,C710,C711,C712,C713,C714,C715,C716,C717,C718,C719,C720,C721,C722,C723,C724,C725,C726,C727,C728,C729,C730,C731,C732,C733,C734,C735,C736,C737,C738,C739,C740,C741,C742,C743,C744,C745,C746,C747,C748,C749,C750,C751,C752,C753,C754,C755,C756,C757,C758,C759,C760,C761,C762,C763,C764,C765,C766,C767,C768,C769,C770,C771,C772,C773,C774,C775,C776,C777,C778,C779,C780,C781,C782,C783,C784,C785,C786,C787,C788,C789,C790,C791,C792,C793,C794,C795,C796,C797,C798,C799,C800,C801,C802,C803,C804,C805,C806,C807,C808,C809,C810,C811,C812,C813,C814,C815,C816,C817,C818,C819,C820,C821,C822,C823,C824,C825,C826,C827,C828,C829,C830,C831,C832,C833,C834,C835,C836,C837,C838,C839,C840,C841,C842,C843,C844,C845,C846,C847,C848,C849,C850,C851,C852,C853,C854,C855,C856,C857,C858,C859,C860,C861,C862,C863,C864,C865,C866,C867,C868,C869,C870,C871,C872,C873,C874,C875,C876,C877,C878,C879,C880,C881,C882,C883,C884,C885,C886,C887,C888,C889,C890,C891,C892,C893,C894,C895,C896,C897,C898,C899,C900,C901,C902,C903,C904,C905,C906,C907,C908,C909,C910,C911,C912,C913,C914,C915,C916,C917,C918,C919,C920,C921,C922,C923,C924,C925,C926,C927,C928,C929,C930,C931,C932,C933,C934,C935,C936,C937,C938,C939,C940,C941,C942,C943,C944,C945,C946,C947,C948,C949,C950,C951,C952,C953,C954,C955,C956,C957,C958,C959,C960,C961,C962,C963,C964,C965,C966,C967,C968,C969,C970,C971,C972,C973,C974,C975,C976,C977,C978,C979,C980,C981,C982,C983,C984,C985,C986,C987,C988,C989,C990,C991,C992,C993,C994,C995,C996,C997,C998,C999,C1000									
7	1	C49	10UF 16V TANTALUM LOW ESR 10%	10UF	C CASE	Vishay	593D106X9016C2T	20	20		
8	1	C50	2200PF 50V 10% MLC	2200PF	0603	AVX	06035C222KAT2A	18	18		
9	9	D1,D2,D3,D4,D5,D6,D7,D8,D9	Red LED	LED	0.1" RADIAL	Fairchild	HLMP3750AFS	15	135		
10	3	JP1,JP2,JP3	3x1 jumper block	CON3	see data	Amp	640452-3	20	60		

FIG. 6 (a)

11	1J1			CON1	sheet				10	10
12	J2,J6,J7,J8,J9,J10,J11	5X2 header		HEADER 5X2	see data sheet					60
13	1J3	4X1 header right angle		HEADER 4X1	see data sheet					155
14	1J4	PCI type connector		PCI_5V_A	Gold fingers	N/A				0
15	1J5	PCI type connector		PCI_5V_B	Gold fingers	N/A				900
16	1P1	Mini DIN 5 position		M-DIN_5-R	see data sheet					180
17	2P4,P2	15Pin Female VESA/VGA Connector		DB15-FEMALE	see data sheet					500
18	1P3	High density 15 pos DSUB		HIGH DENSITY DSUB	see data sheet					250
19	RL1,RL2,RL3,RL4,RL5,RL6,RL7,RL8	5V DPDT RELAY		G6K-2P-DC5	see data sheet					65
20	1R1	Resistor 47K 1/16W 5% SMT		47K	0603					18
21	1R2	Resistor 1K 1/16W 5% SMT		1K	0603					18
22	2R28,R3	Resistor 10K 1/16W 5% SMT		10K	0603					18
23	1R4	Resistor 47R 1/16W 5% SMT		47R	0603					18
24	R5,R9,R10,R11,R12,9R13,R14,R15,R16	Resistor 330R 1/16W 5% SMT		330R	0603					162
25	2R6,R7	Resistor 33R 1/16W 5% SMT		33R	0603					36
26	3R8,R18,R20	Resistor 1.5K 1/16W 5% SMT		1.5K	0603					54
27	R17,R19,R21,R22,R23,R24,R25,R26,R29,R30,R31,R32	Resistor 15K 1/16W 5% SMT		15K	0603					216
28	1R27	Resistor 4.7K 1/16W 5% SMT		4.7K	0603					18
29	R33,R34,R35,R36,R37	Resistor 75R 1/16W 1% SMT		75R	0603					90
30	1R37	Resistor 20K 1/16W 1% SMT		20K	0603					18
31	1R38	Resistor 102K 1/16W 1% SMT		102K	0603					18

FIG. 6 (b)

			SMT							
32	2U3,U1	Darlington transistor array	ULN2003A	SO16 see data sheet	TI	ULN2003AD	80	160		
33	1U2	8 bit microcontroller with USB	PIC16C745-I-SP	Microchip		PIC16C745-I-SP	270	270		
34	1U4	7-port USB hub	TUSB2077A	LQFP48	TI	TUSB2077APT	80	80		
35	1U5	USB power switch	TPS2044A	SO16	TI	TPS2044D	80	80		
36	1U6	Low power 150 mA LDO	TPS76333	SOT-23 5 pin	TI	TPS76333DBVT	10	10		
37	U7,U8,U9,U10,U12,U613	Dual high speed opamp	LM6172/SOIC	SO8	National	LM6172IM	30	180		
38	1U11	Switched cap voltage conv. w/ regulator	LT1054/SO	SO16 see data sheet	TI	LT1054CDW	80	80		
39	2Y2,Y1	6MHZ TH crystal	6MHZ		CTS	MP060	55	110		
								7694		

FIG. 6 (c)

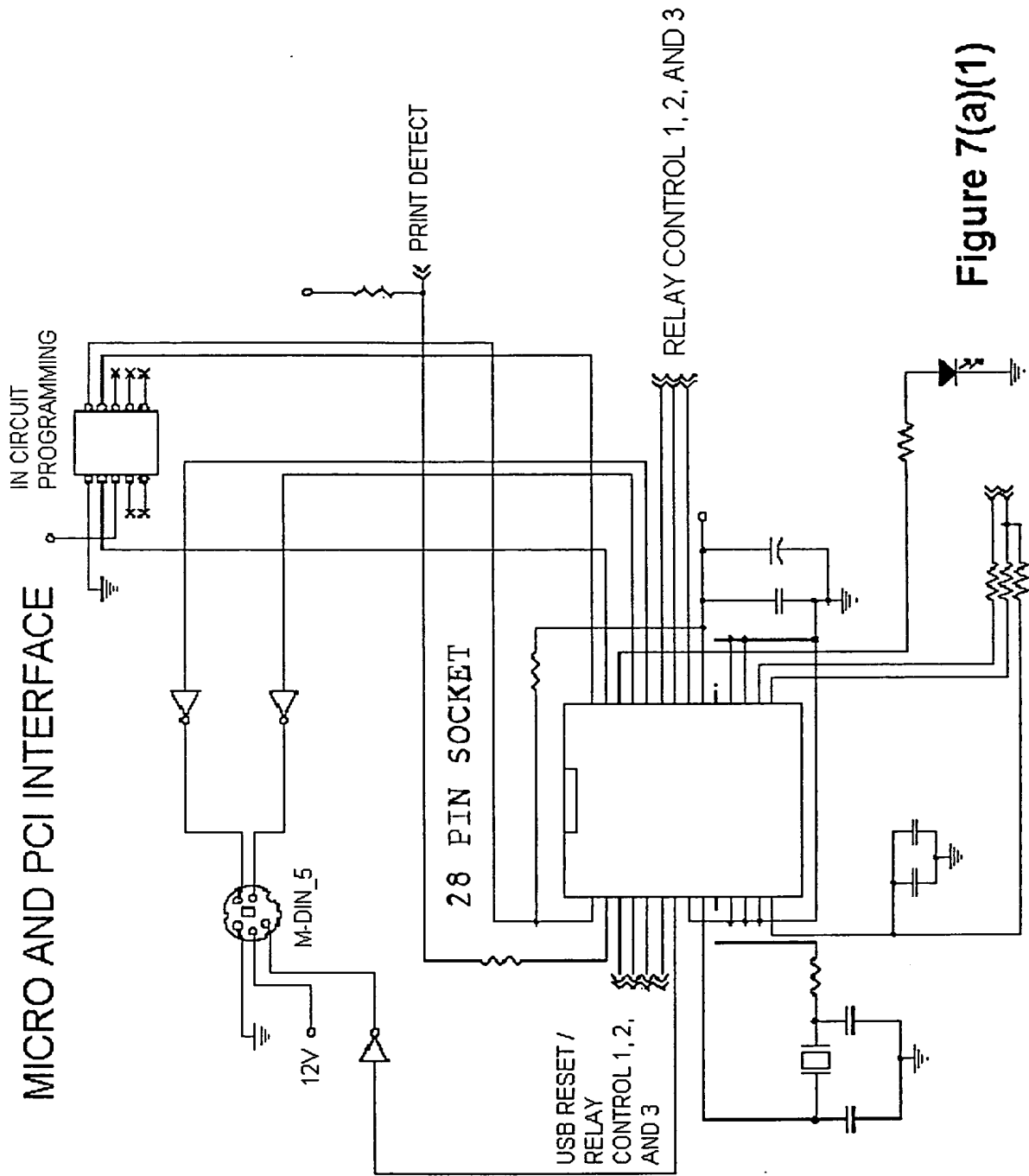


Figure 7(a)(1)

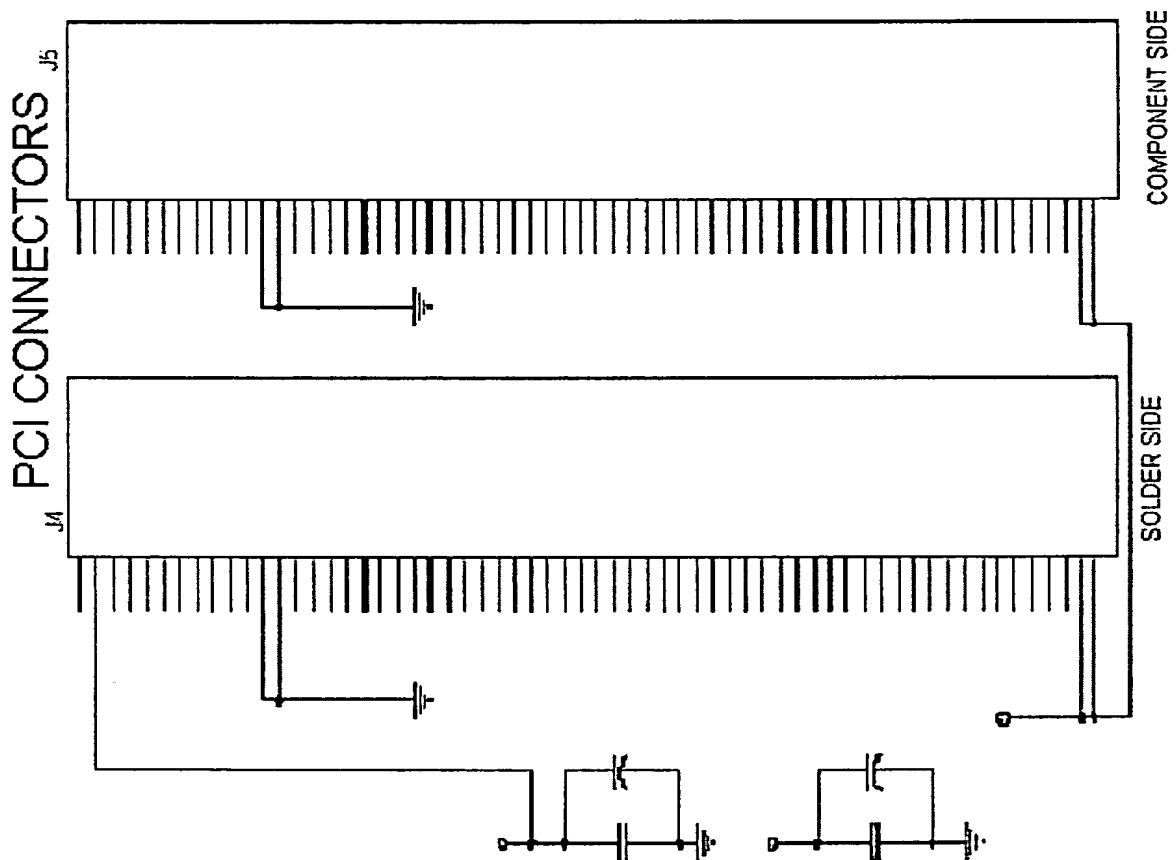


Figure 7(a)(2)

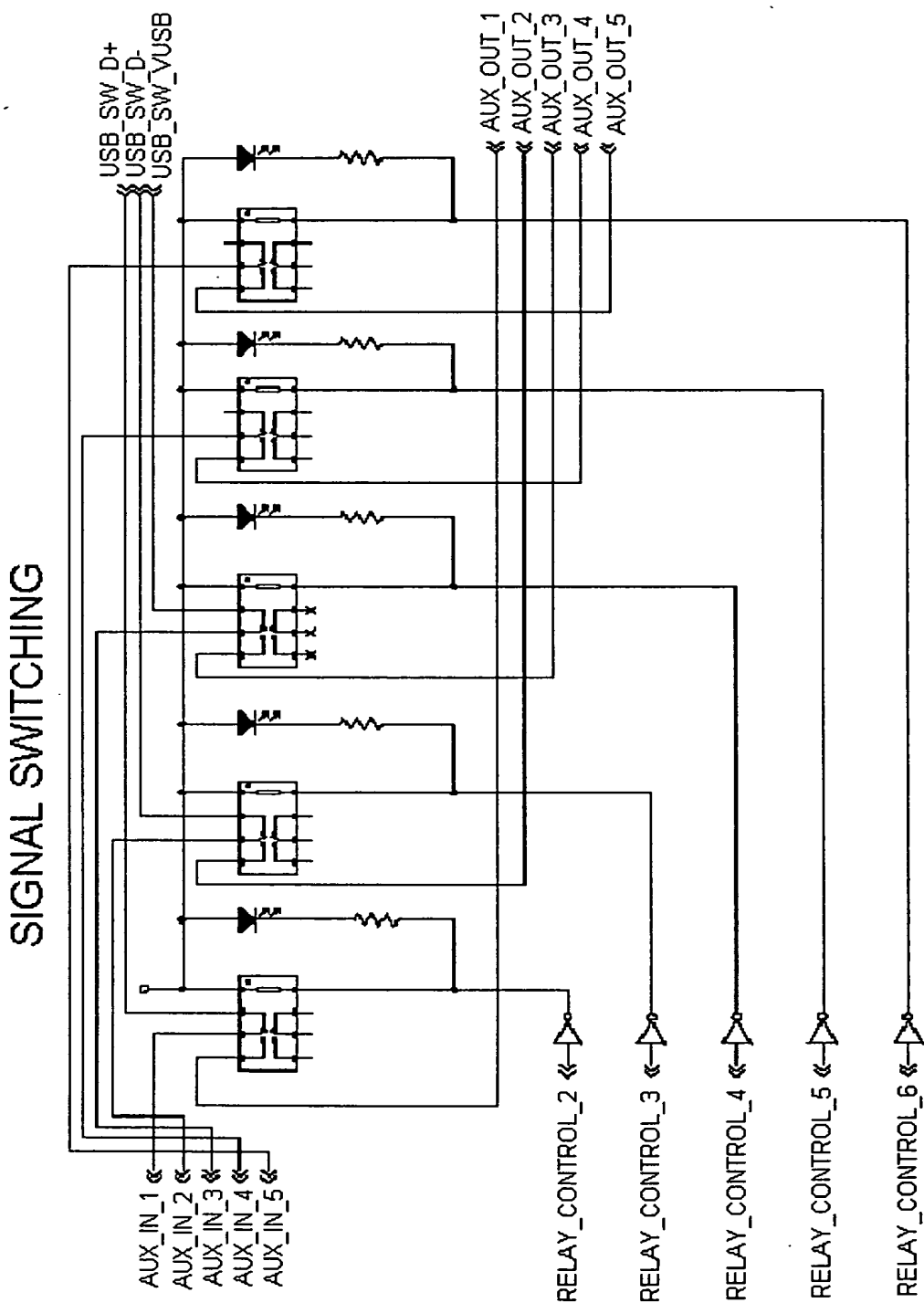


Figure 7(b)(1)

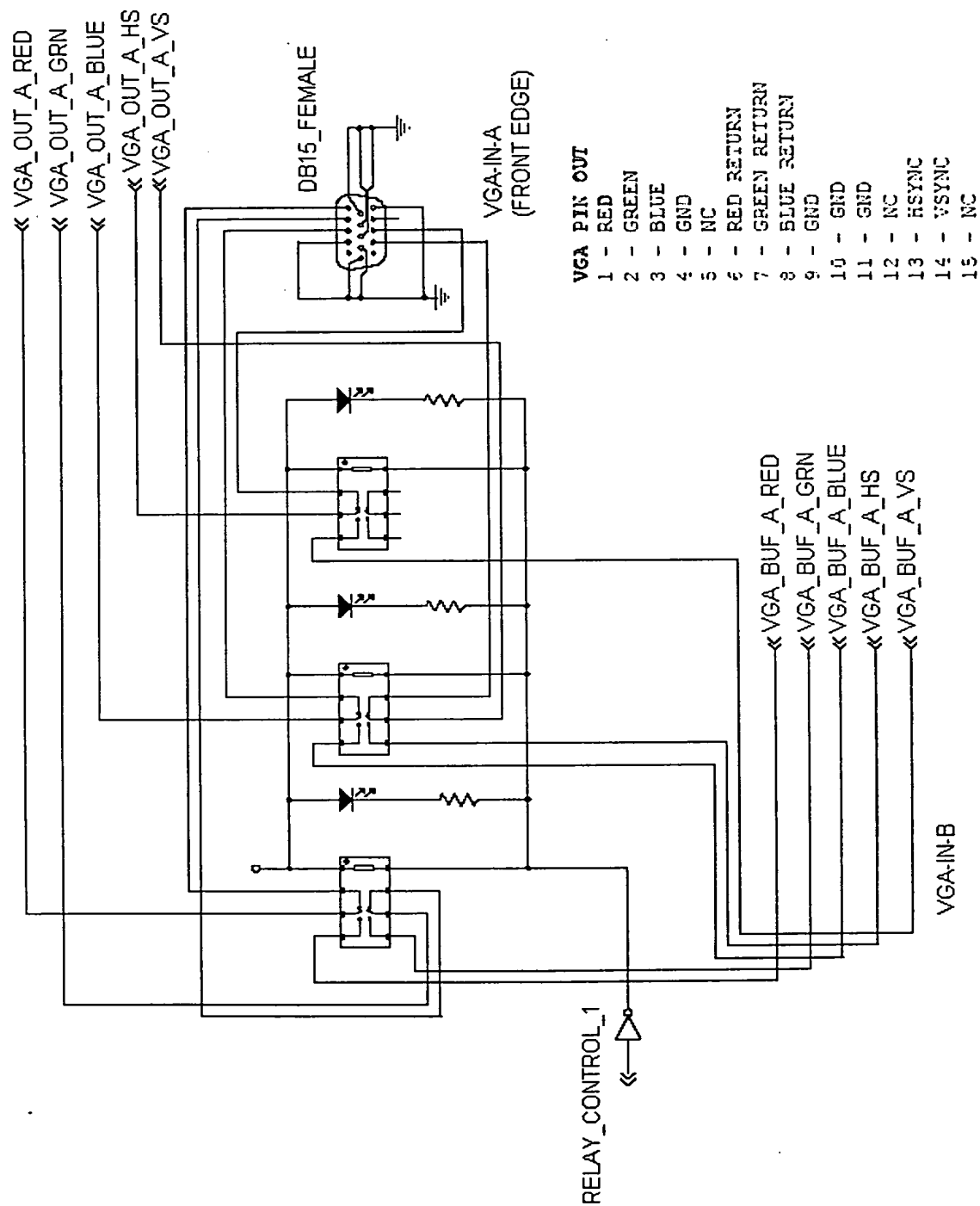


Figure 7(b)(2)

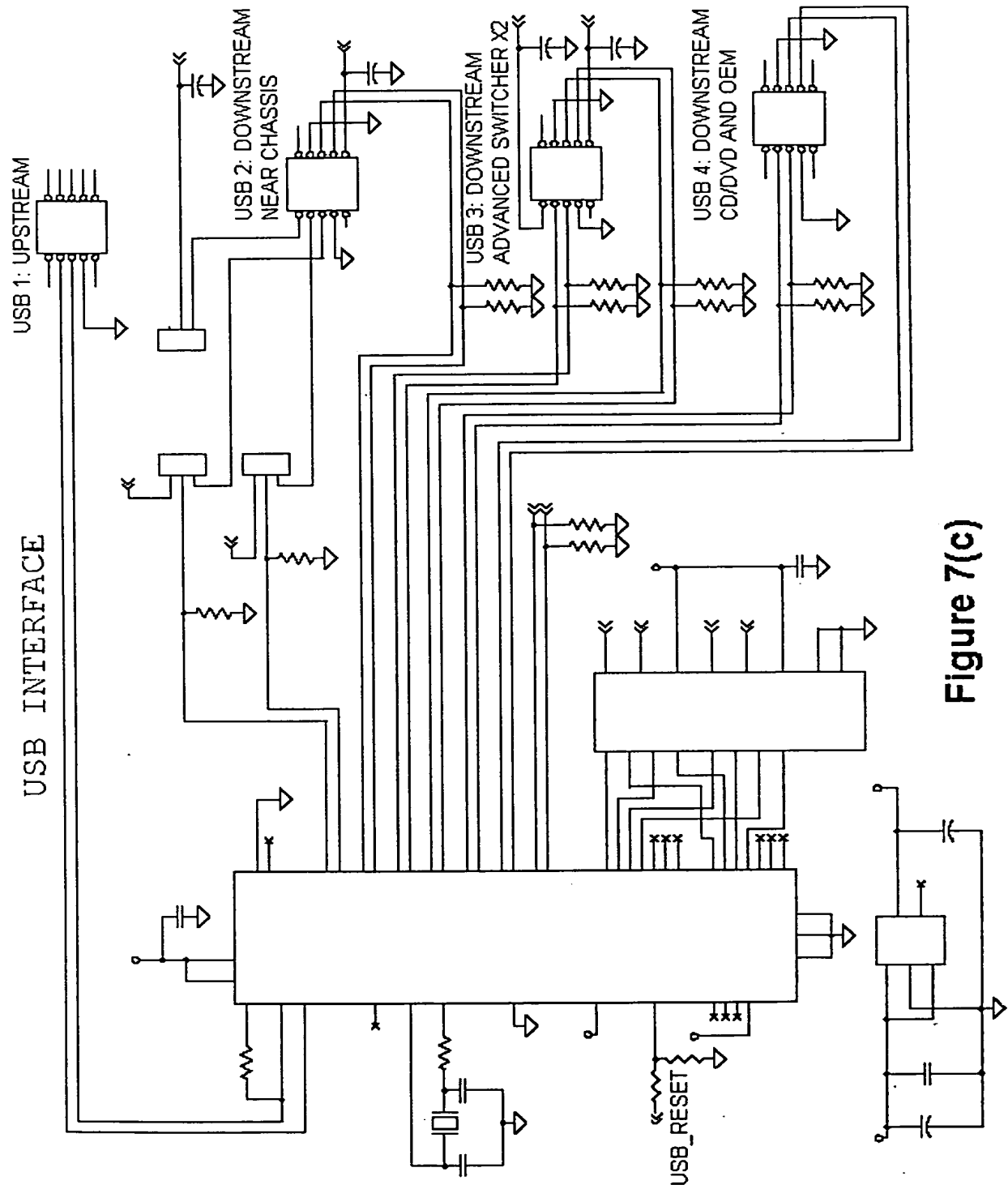


Figure 7(c)

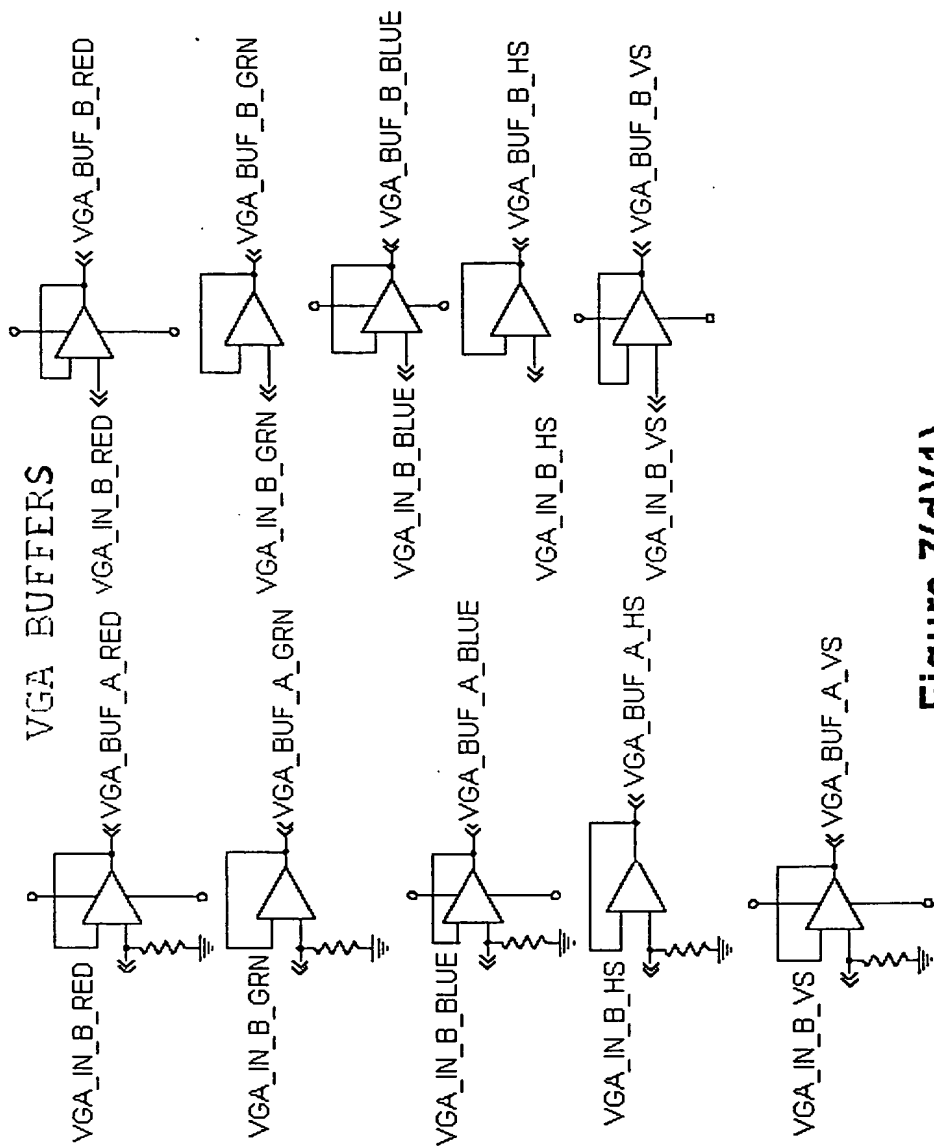


Figure 7(d)(1)

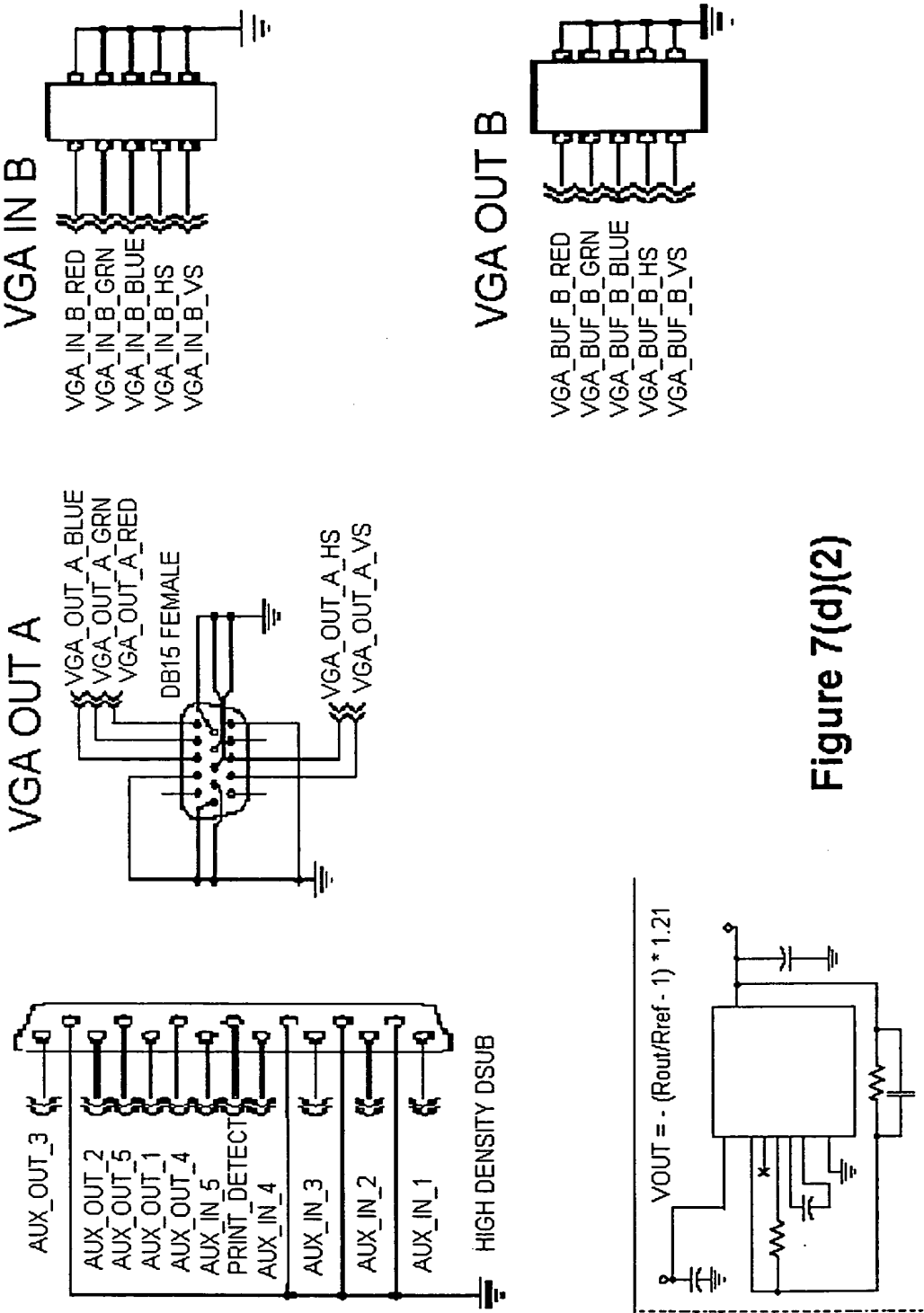


Figure 7(d)(2)

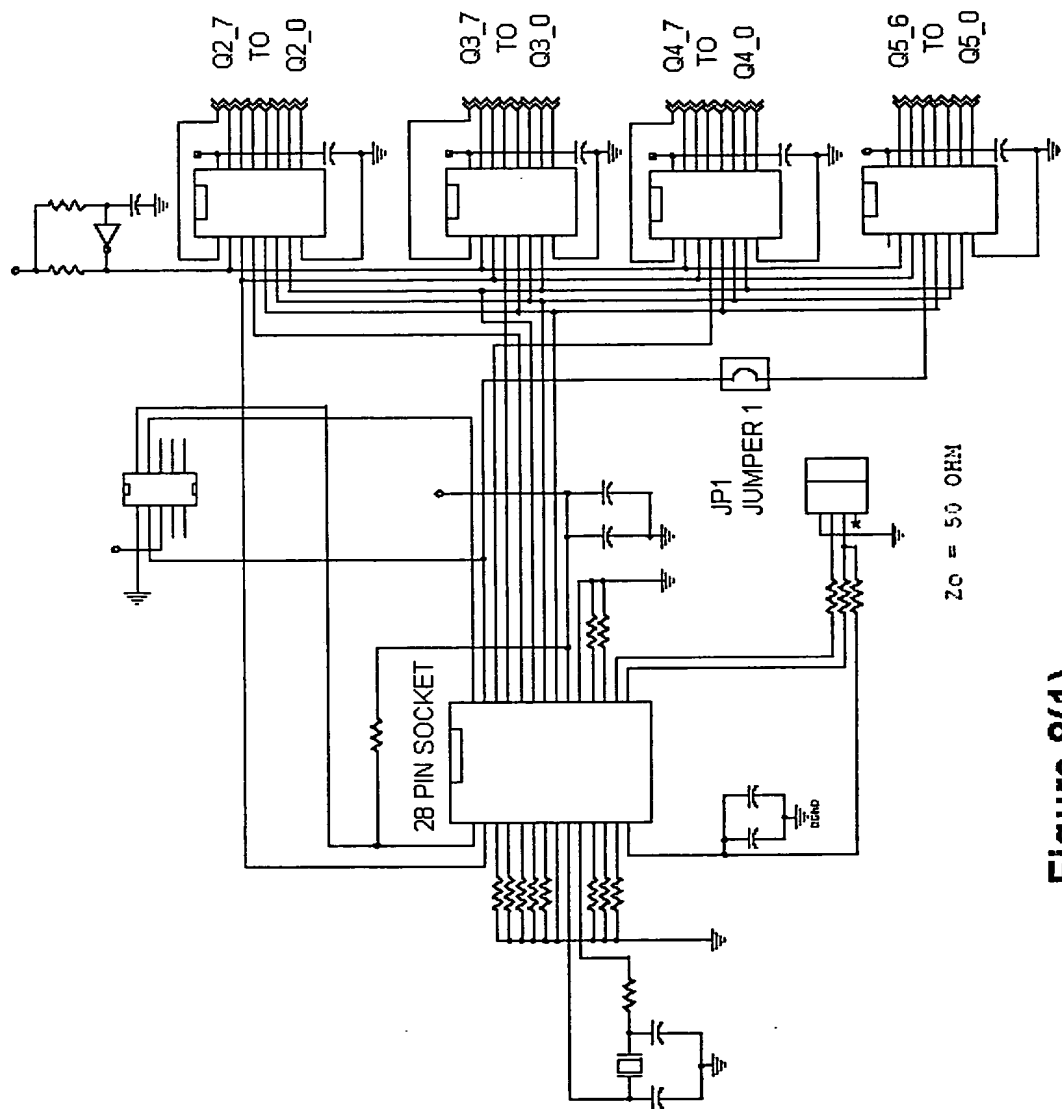


Figure 8(1)

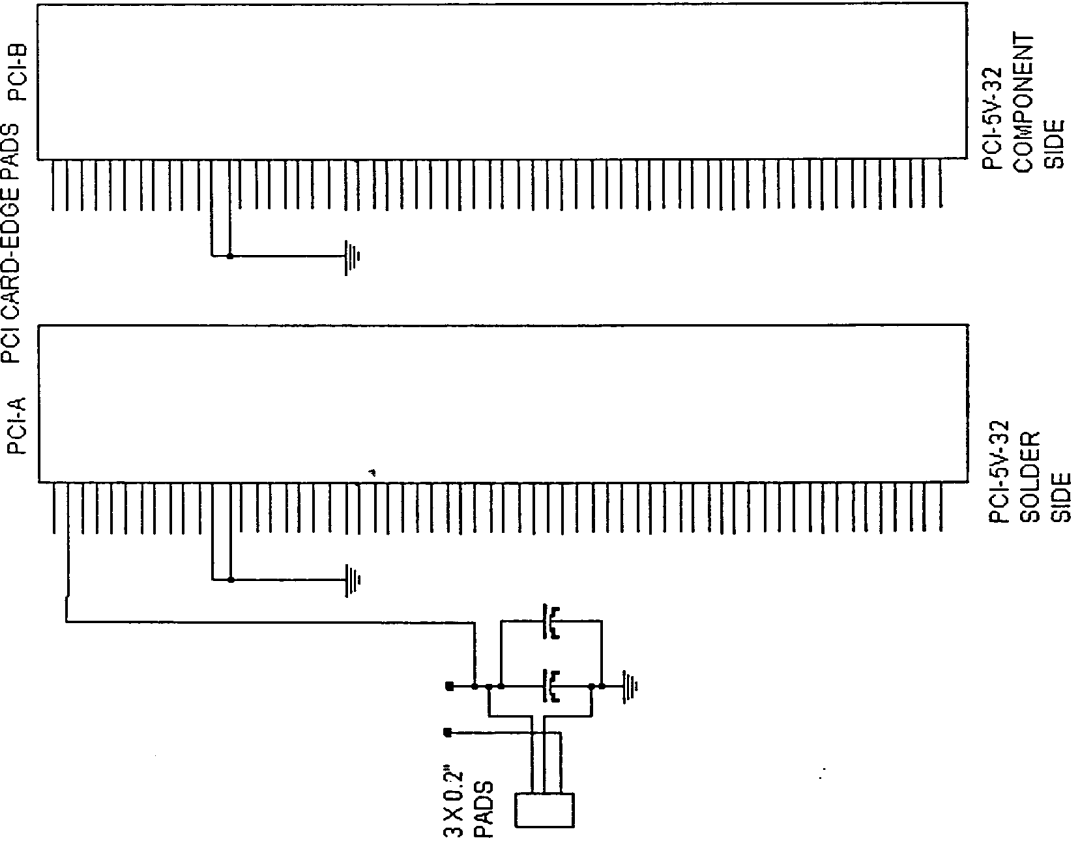


FIGURE 8 (2)

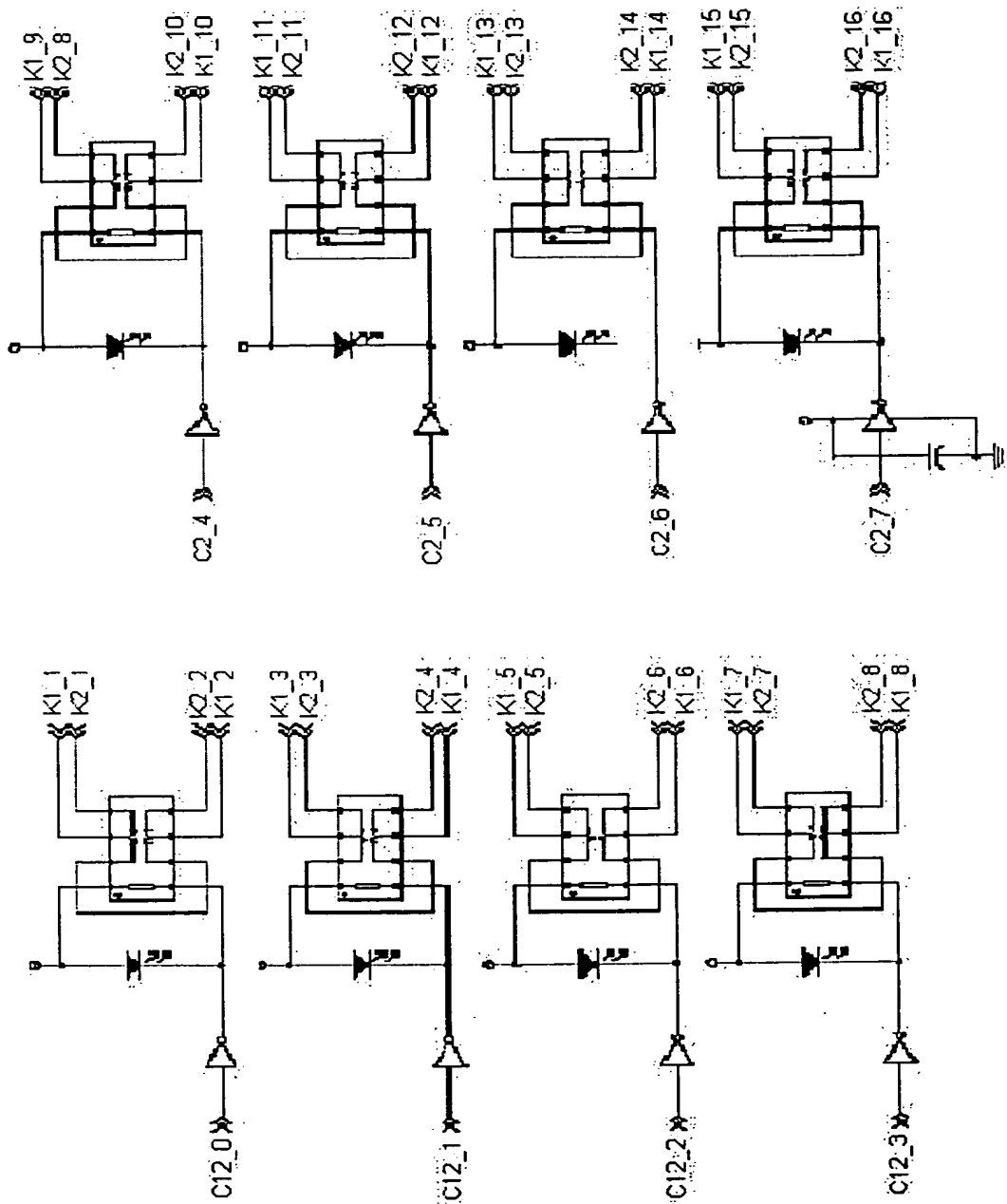


FIGURE 9 (a)

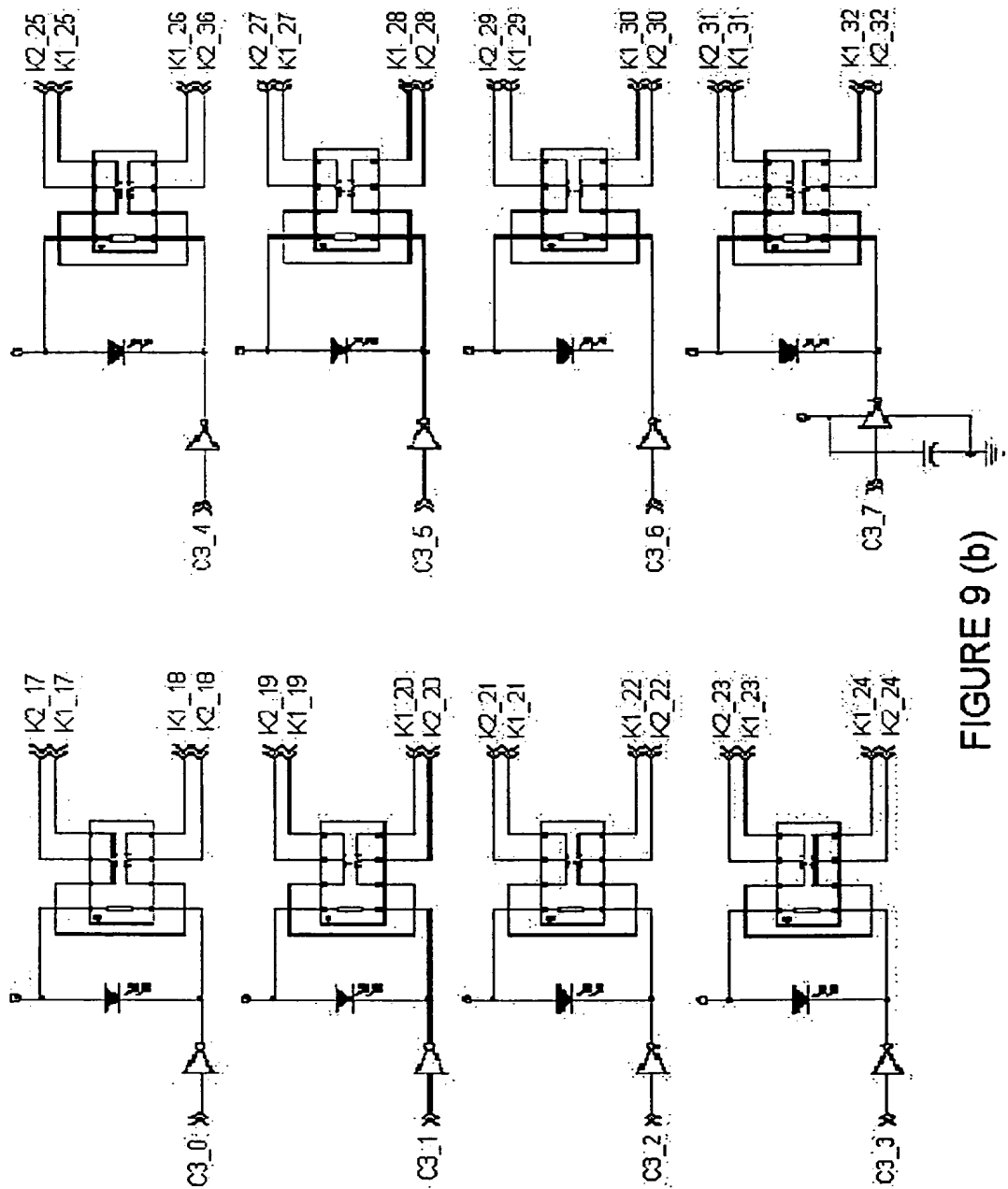


FIGURE 9 (b)

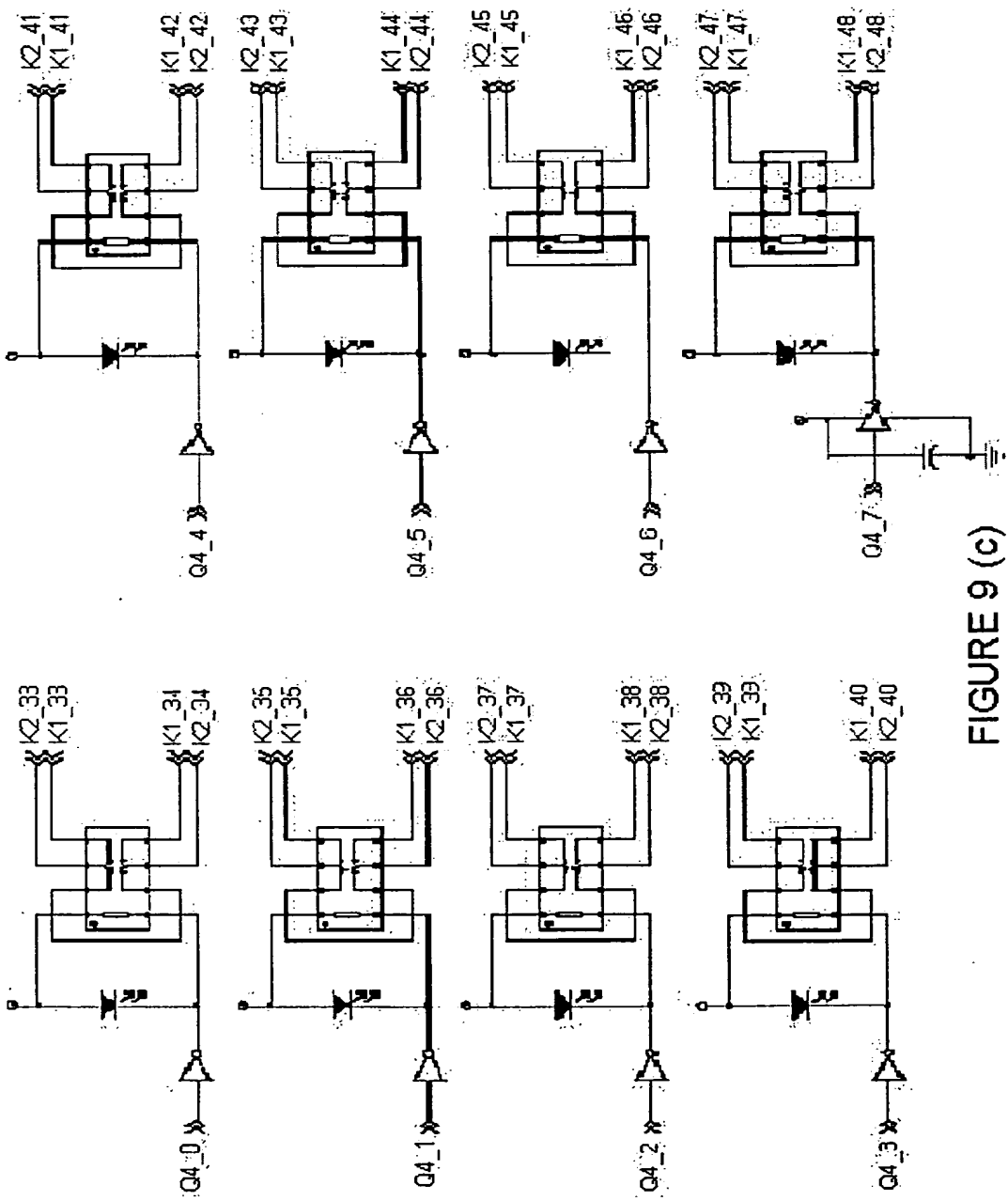


FIGURE 9 (c)

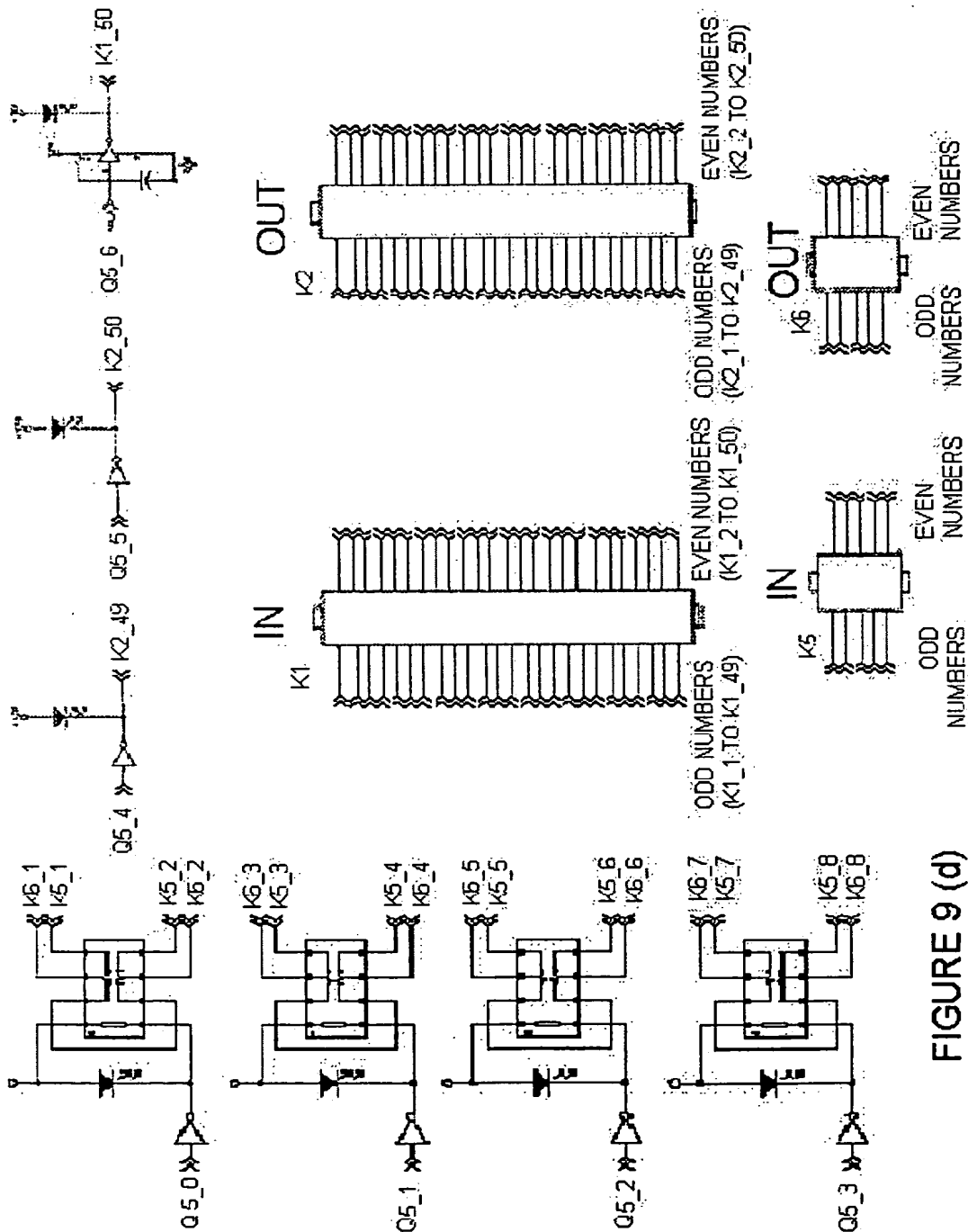


FIGURE 9 (d)

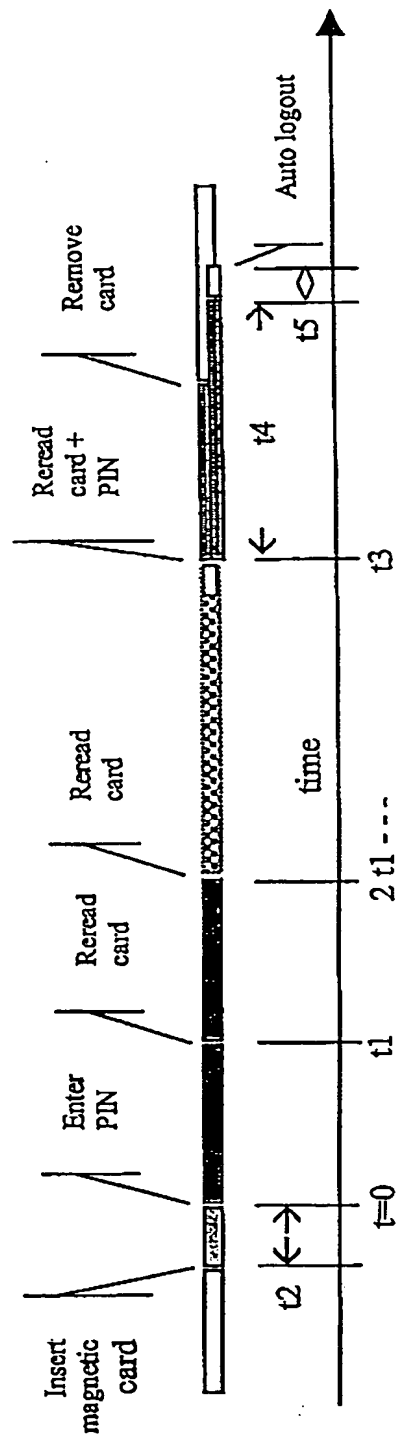


FIG. 10

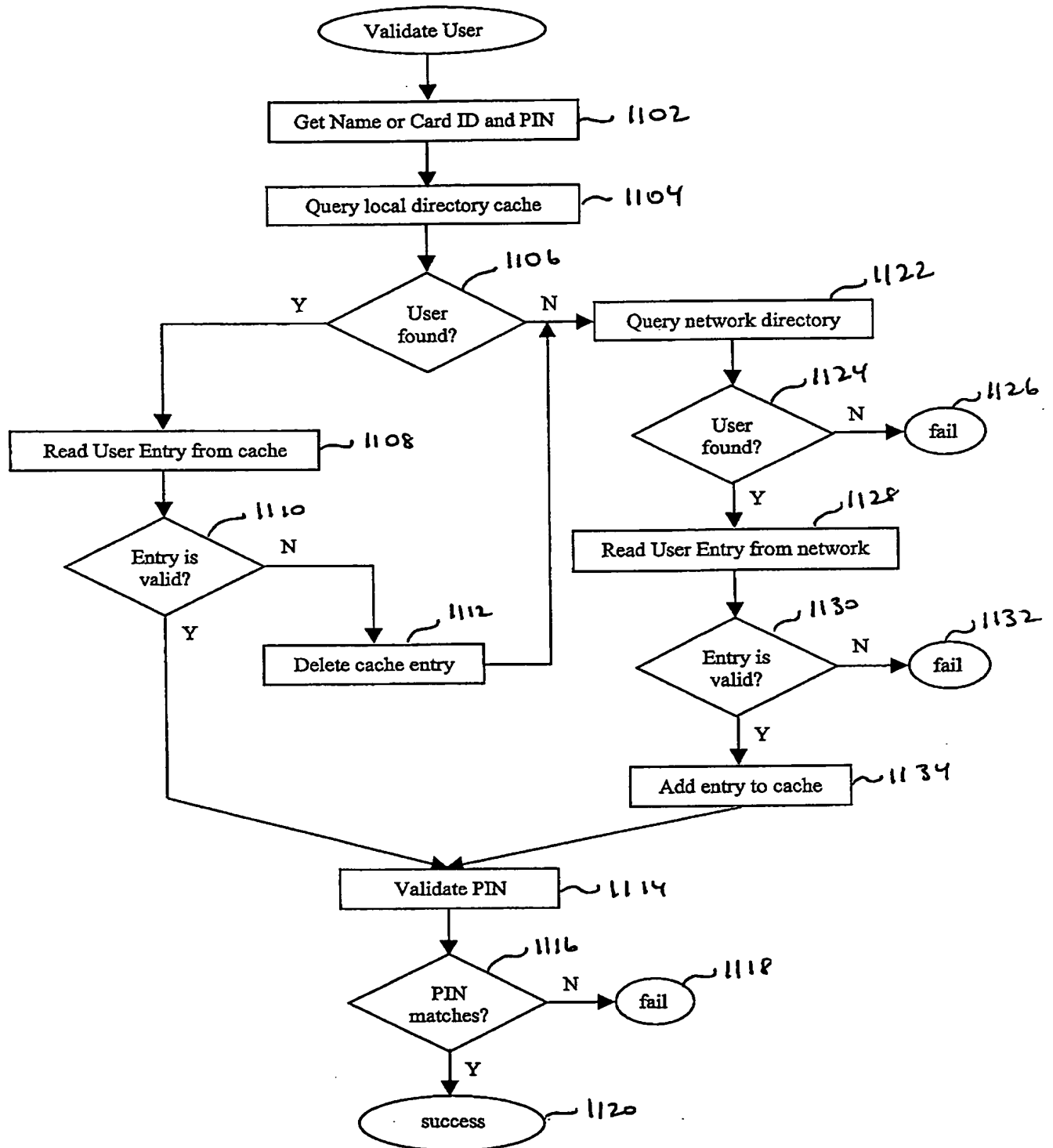


FIG. 11

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</IHE-Syslog-Audit-Message>
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    <Hostname>workstation</Hostname>
    <AE-Title>FISTAE</AE-Title>
  </Remote-node>
  <instance-action-description>
    <Object-Action>Create</Object-Action>
    <Accession-number>0283721693</Accession-number>
    <Study-uid>1.2.840.10008.3.3.3.1234</Study-uid>
    <Patient>
      <Patient-ID>98838737</Patient-ID>
      <Patient-name>John Doe</Patient-name>
    </Patient>
    <user>
      <local-user>msmith</local-user>
    </user>
    <SOP-Class-UID>1.2.840.10008.5.1.4.1.1.2</SOP-Class-UID>
    <SOP-Class-UID>1.2.840.10008.5.1.4.1.1.1</SOP-Class-UID>
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    <MPPS-uid>1.2.840.10008.3.3.3.1237</MPPS-uid>
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</Instances-stored>
<Hostname>thishost</Hostname>
</IHE-Syslog-Audit-Message>

```

Figure 12

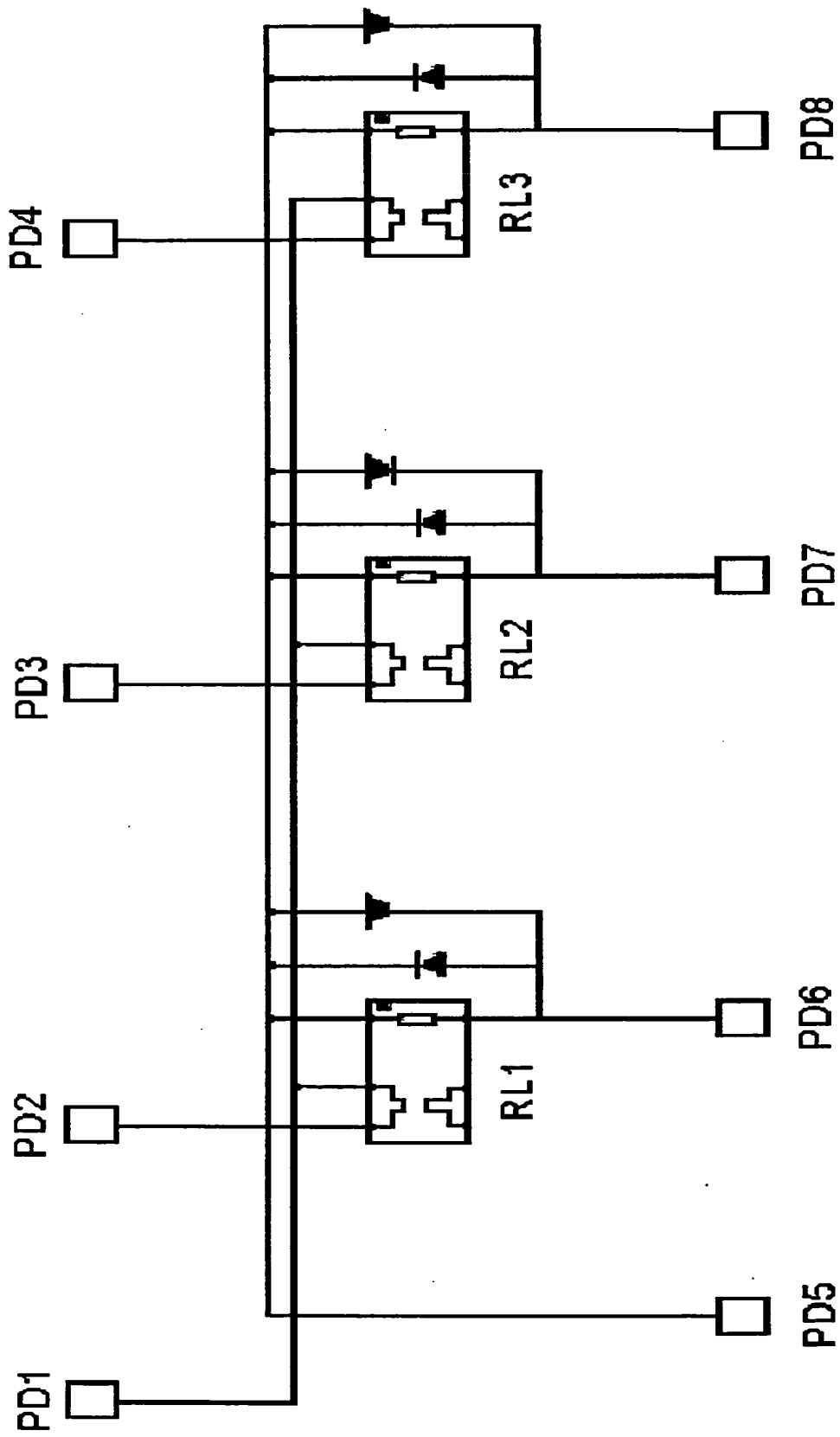


FIGURE 13